BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1200000.00

Name of Work: Detailed Estimate for the work of Construction of CC road at Narayanappa layout in ward no - 04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no142, PWD SR 2016-17)	cum							
	for CC road		1	160.00	3.00	0.30	144.00		
	for culvert		1	6.00	1.50	1.50	13.50		
	desilting of existing drain		2	110.00	0.60	0.60	79.20		
			2	110.00	0.60	0.60	79.20		
							315.90	96.48	30478.00
	Basic Rate	82.00							
	Ad-HOC 11%	9.02							
	Sub Total	91.02							
	Area Weightage 6%	5.46							
	Grand Total	96.48							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
			Vide Item No. 1				315.90	110.13	34790.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 8.00 k.m =1.28 X 2.50 X 8	25.60							
	Basic Rate	93.60							
	Ad-HOC 11%	10.30							
	Sub Total	103.90							
	Area Weightage 6%	6.23							
	Grand Total	110.13							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4-1.3 Providing and laying in position plain cement concrete of mix 1.4.8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P 12/1.4.3)/ PWD SR 2016-17	Cum							
	for CC road		1	160.00	3.00	0.12	57.60		
	for culvert		1	6.00	1.50	0.15	1.35		
							58.95	5726.51	337578.00
	Basic Rate	4867.00							
	Ad-HOC 11%	535.37							
	Sub Total	5402.37							
	Area Weightage 6%	324.14							
	Grand Total	5726.51							
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200 Page No 265 Ite mo 37.59.2 SR 2016-17	Cum							
	for RCC culverts		1	6.00	1.20	0.30	2.16		
	side walls	1x2	2	6.00	0.30	0.90	3.24		
							5.40	12246.05	66129.00
	Basic Rate	10408.00							
	Ad-HOC 11%	1144.88							
	Sub Total	11552.88							
	Area Weightage 6%	693.17							
	Grand Total	12246.05							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications Specification No. KBS 4 6 3 Page No. 17/ Item No. 4 46/ PWD SR 2016-17	Quintal							
	for RCC culvert 80 kg/cum		0.800	5.40			4.32		
				5.40			**4.32**	**7154.55**	**30908.00**
	Basic Rate	6080.70							
	Ad-HOC 11%	668 88							
	Sub Total	6749 58							
	Area Weightage 6%	404 97							
	Grand Total	7154.55							
6	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-	sqm							
		1x10	10	1 50	0 60		9 00		
							9.00	5111.00	45999.00
	Data Rate	5111 00							
7	RCC Precast covering slab for drain (10cm thick)	sqm							
	missing slabs		1	45 00	0 90		40 50		
							40.50	2100.00	85050.00
	Rate Approved by BBMP	2100.00							

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRRB M600-6 cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051 2 2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0 6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing.), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.69cum and fine aggregare @ 0.45cum), , No. 174/ Item No. 22 6.1 SR 2016-17	Cum							
	for cc road		1	160.00	3.00	0.15	72.00		
							72.00	6901.94	496939.00
	Basic Rate	5866.00							
	Ad-HOC 11%	645.26							
	Sub Total	6511.26							
	Area Weightage 6%	390.68							
	Grand Total	6901.94							
9	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 177 Item No 22.7 SR 2016-17	Sqm							
			1	160.00	3.00		480.00		
							480.00	105.89	50829.00
	Basic Rate	90.00							
	Ad-HOC 11%	9.90							
	Sub Total	99.90							
	Area Weightage 6%	5.99							
	Grand Total	105.89							

No	Description of item	Unit	No	L	B	D	Qty		Amount
10	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials, Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications do- for concrete pavement Item no 22 8.1 Page No 178 SR 2016-17	Rmt							
	for cc road		50	3.00			150.00		
							150.00	135.31	20296.00
	Basic Rate	115.00							
	Ad-HOC 11%	12.65							
	Sub Total	127.65							
	Area Weightage 6%	7.66							
	Grand Total	135.31							
11	Miscellaneous charges								1004.00
								Total	1200000.00
	(Rupees Twelve Lakhs Only)								

CERTIFICATE

1 The work spot has been inspected and the work is found necessary
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Ramanjeenath
Assistant Engineer

Assistant Executive Engineer
Yelahanka satellitetown Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Approval
Accorded For Rs. 12.00 Lakhs
Head of A/C 1771 02
CER NO : 377 Dt: 16/18

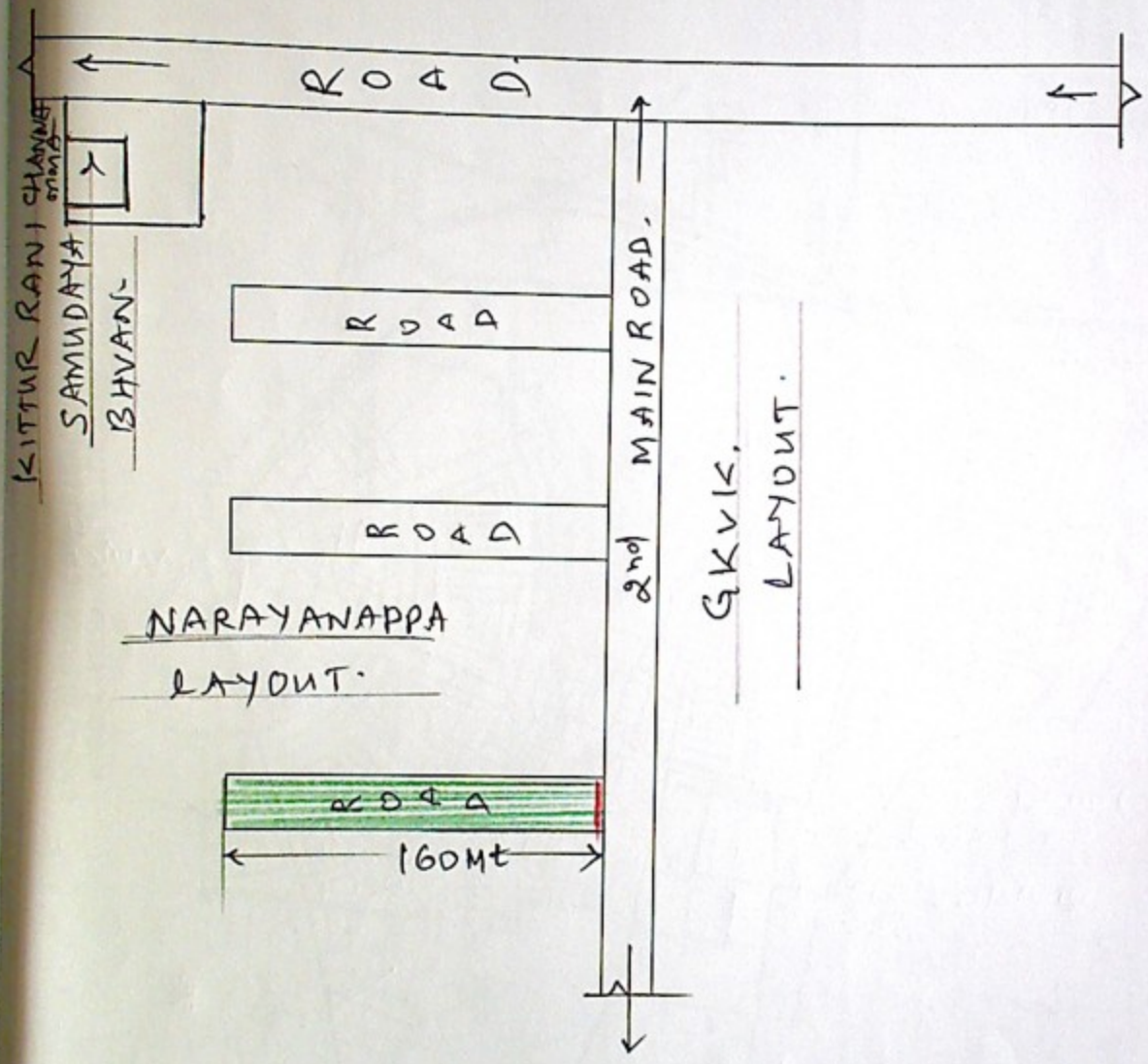
TA CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 12.00 Lakhs
Rupees Twelve Lakhs — only
Under P. 1771 - 2017-18
Registered as CE ( ) No 9 9
Subject to conditions contained in enclosed memo EE ( ) No /9/
Dt EE/YNK/TC/82/17-18 Estimate is Sanctioned
Dated 16-02-2018 Rs. 12.00 Lakhs

Executive Engineer

NAME OF WORK:

Construction of CC road at Narayanappa layout in ward No-04.



INDEX:

PROPOSED CCROAD

CULVERT

A.E. Ramanjeenah

A.E.E.